

PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
ASMEX.282AAPPLICATION NO.  
09/870,393

SHEET 1 OF 3

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Zhmin LuFILING DATE  
May 29, 2001GROUP  
Unknown 2826

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
EP	1	3,907,439	09/23/75	Zanoni	-	-	
EP	2	3,945,505	03/23/76	Frisbie et al.	-	-	
EP	3	4,024,944	05/24/77	Adams et al.	-	-	
EP	4	4,148,344	04/10/79	Critchell et al.	-	-	
EP	5	4,201,378	05/6/80	Hams	-	-	
EP	6	4,228,888	10/21/80	Moran	-	-	
EP	7	4,449,885	05/22/84	Hertel et al.	-	-	
EP	8	4,457,684	07/3/84	Judell et al.	-	-	
EP	9	4,466,073	08/14/84	Boyan et al.	-	-	
EP	10	4,507,078	03/28/85	Tam et al.	-	-	
EP	11	4,523,985	08/18/85	Dimock	-	-	
EP	12	4,559,451	12/17/85	Curl	-	-	
EP	13	4,635,373	01/13/87	Miyazaki et al.	-	-	
EP	14	4,647,266	03/3/87	Turner et al.	-	-	
EP	15	4,698,511	10/6/87	Sueda et al.	-	-	
EP	16	4,705,951	11/10/87	Leyman et al.	-	-	
EP	17	4,720,635	1/19/88	Uga	-	-	
EP	18	4,744,713	05/17/88	Hrovath	-	-	
EP	19	4,765,793	08/23/88	Goddeau	-	-	
EP	20	4,770,590	09/13/88	Hugues et al.	-	-	
EP	21	4,789,294	12/8/88	Sato et al.	-	-	
EP	22	4,818,169	04/4/89	Schram, deceased et al.	-	-	
EP	23	4,819,167	04/4/89	Cheng et al.	-	-	
EP	24	4,833,790	05/30/89	Spencer et al.	-	-	
EP	25	4,838,733	06/8/89	Hortel et al.	-	-	
EP	26	4,880,348	11/14/89	Baker et al.	-	-	

EXAMINER

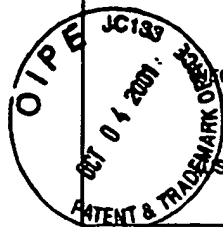
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5/2/05

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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FORM PTO-1449

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
EP	27	4,907,035	03/8/90	Galbur et al.	—	—	
EP	28	5,044,752	09/3/91	Thurfell et al.	—	—	
EP	29	5,162,842	11/10/92	Akamatsu et al.	—	—	
EP	30	5,184,743	03/18/93	Aoyama et al.	—	—	
EP	31	5,239,182	08/24/93	Tatayama et al.	—	—	
EP	32	5,483,138	01/09/96	Shmookler et al.	—	—	
EP	33	5,706,201	01/06/98	Andrews	—	—	
EP	34	5,706,930	01/13/98	Sahoda et al.	—	—	
EP	35	5,740,062	04/14/98	Berken et al.	—	—	
EP	36	5,768,125	08/18/98	Zinger et al.	—	—	
EP	37	5,822,213	10/13/98	Huynh	—	—	
EP	38	5,870,488	02/09/99	Rush et al.	—	—	
EP	39	5,905,850	05/18/99	Kaveh	—	—	
EP	40	5,917,601	08/29/99	Shimakzid et al.	—	—	
EP	41	5,980,194	11/09/99	Freerks et al.	—	—	
EP	42	US 6,188,976 B1	03/6/01	Sundar et al.	—	—	3/4/98

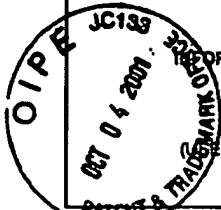
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
EP	1	JP 58-055270	04/01/83	Japan			Abstract	
EP	2	JP 61-087352	05/02/86	Japan			Abstract	
EP	3	JP 61-184842	08/18/86	Japan			Abstract	
EP	4	JP 61-228639	10/11/86	Japan			Abstract	
EP	5	JP 62-073643	04/04/87	Japan			Abstract	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	1	Sugimoto, S. et al., "Wafer loading and unloading robot," <u>Sharp Technical Journal</u> , No. 30, (1984), pp. 79-83.

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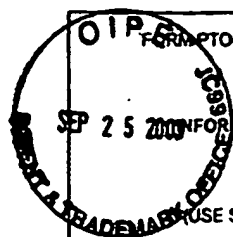
	FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. ASMEX.282A	APPLICATION NO. 09/870,393
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Zhumin Lu	
	(SEVERAL SHEETS IF NECESSARY)		FILING DATE May 29, 2001	GROUP Unknown 2826

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
28	2	Kurt Petersen et al., "High-Performance Mass-Flow Sensor with Integrated Laminar Flow Micro-Channels," <u>International Conference on Solid State Sensors and Actuators - Digest of Technical Papers</u> (1985), pp. 381-383.
28	3	GCA Corporation, (Wafertrac1008 Advertisement), <u>Solid State Technology</u> , Vol. 28, No. 1, (Jan. 1985), p. 3.
28	4	Brooks Automation, (Wafer Handling Robot), <u>Solid State Technology</u> , Vol. 28, No. 1, (Jan. 1985), p. 74.
28	5	Zbigniew M. Wojcik, "A Method of Automatic Centering of Chips, Masks and Semiconductor Wafers," <u>Electron Technology</u> , (1977), Vol. 10, No. 3, pp. 79-98.
28	6	IBM Technical Disclosure Bulletin, "Automatic Mask/Wafer Alignment System," (Sept. 1985), Vol. 28, No. 4, pp. 1474-1479.
28	7	IBM Technical Disclosure Bulletin, "Vacuum-Compatible Low Contamination Wafer-Orientor System," (Feb. 1986), Vol. 28, No. 9, pp. 4056-4058.
28	8	IBM Technical Disclosure Bulletin, "No-Edge Contact Wafer Orientor," (Jan. 1975), Vol. 17, No. 8, pp. 2220-2221.
28	9	IBM Technical Disclosure Bulletin, "Front Wafer Registration Device for Batch Process Etch End-Point Detection System," (Oct. 1977), Vol. 20, No. 5, pp. 1756-1759.
28	10	Kimiyoshi Deguchi et al., "Alignment Accuracy Evaluation of X-Ray Lithography System SR-1," <u>Journal of the Japan Society of Precision Engineering</u> , (1985), Vol. 51, No. 5, pp. 156-162.
28	11	ASM Europe, (Advance 400 Course Module 19), Rev. C, (June 1999)
28	12	Keyence Corporation Brochure, "Laser Thru-beam Photoelectric Sensors LX2 Series," (date unknown)

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28	1	5,563,798	10/8/96	Berken et al.	—	—	
28	2	5,900,737	5/4/99	Graham et al.	—	—	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
28	3	EP 0 282 233 A1	9/14/88	EPO	—	—		
28	4	EP 0 313 466 A2	4/26/89	EPO	—	—		
28	5	EP 0 597 637 A1	5/18/94	EPO	—	—		
28	6	JP 11-347975	12/21/99	Japan	—	—		
28	7	WO 99/52686	10/21/99	PCT	—	—		

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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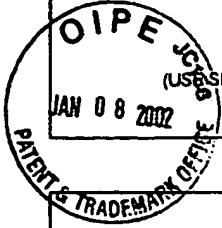
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SHEET 1 OF 1

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	APPLICANT Zhimin Lu	
	FILING DATE May 29, 2001	GROUP Unknown 2826



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
SP		U.S. 6,327,517 B1	12/04/01	Sundar	—	—	07/27/01

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